

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

September 15, 1977

*Central File*

Mr. James P. O'Reilly, Director  
Office of Inspection and Enforcement  
U. S. Nuclear Regulatory Commission  
Region II - Suite 818  
230 Peachtree Street, Northwest  
Atlanta, Georgia 30303

Serial No. 411  
PO&M/TAP:dgt  
Docket No. 50-281  
License No. DPR-37

Dear Mr. O'Reilly:

Pursuant to Surry Power Station Technical Specification 6.6.2, the Virginia Electric and Power Company hereby submits a copy of Reportable Occurrence No. RO-S2-77-07.

The substance of this report has been reviewed by the Station Nuclear Safety and Operating Committee and will be placed on the agenda for the next meeting of the System Nuclear Safety and Operating Committee.

Very truly yours,

*C. M. Stallings*

C. M. Stallings  
Vice President-Power Supply  
and Production Operations

Enclosures

40 copies RO-S2-77-07

cc: Mr. Robert W. Reid, Chief  
Operating Reactors Branch 4

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LICENSEE EVENT REPORT

CONTROL BLOCK: 1 6

PLEASE PRINT ALL REQUIRED INFORMATION

LICENSEE NAME: V A S P S 2 LICENSE NUMBER: 00-000000-00 LICENSE TYPE: 41110 EVENT TYPE: 03

CATEGORY: M I REPORT TYPE: L L DOCKET NUMBER: 050-0281 EVENT DATE: 081577 REPORT DATE: 091477

EVENT DESCRIPTION

During normal operation, routine sampling disclosed that Boron Injection Tank and "C" Boric Acid Storage Tank concentrations were low: BIT 10.9% and "C" BAST 11.0%. This was a violation of Technical Specifications 3.2.C.3 and 3.3.A.3. Unit rampdown was commenced immediately and BIT recirculation shifted to "B" BAST which was 11.9% concentration. Recirculation returned the BIT to 11.6% and the unit was returned to full

(Continued)

SYSTEM CODE: P C CAUSE CODE: E COMPONENT CODE: V A L V E X PRIME COMPONENT SUPPLIER: N COMPONENT MANUFACTURER: G 2 5 5 VIOLATION: Y

CAUSE DESCRIPTION

Dilution was caused by a cracked diaphragm on valve 1-CH-144; PG supply to "D" BATP suction. The valve was isolated and repaired. Grinnell diaphragm valves at this station are now on a routine replacement program based on time in service. This

(Continued)

FACILITY STATUS: E % POWER: 100 OTHER STATUS: N/A METHOD OF DISCOVERY: B DISCOVERY DESCRIPTION: N/A

FORM OF ACTIVITY RELEASED: Z CONTENT OF RELEASE: Z AMOUNT OF ACTIVITY: N/A LOCATION OF RELEASE:

PERSONNEL EXPOSURES

NUMBER: 000 TYPE: Z DESCRIPTION: N/A

PERSONNEL INJURIES

NUMBER: 000 DESCRIPTION: N/A

OFFSITE CONSEQUENCES

N/A

LOSS OR DAMAGE TO FACILITY

TYPE: Z DESCRIPTION: N/A

PUBLICITY

N/A

ADDITIONAL FACTORS

The health and safety of the general public was not affected.

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NAME: T. J. ...

PHONE: (804) 357-3184

EVENT DESCRIPTION (CONTINUED)

power. Subsequently, "C" BAST concentration was enriched to 12.3%. This is reportable per Technical Specification 6.6.2.b(2). (RO-S2-77-07).

CAUSE DESCRIPTION (CONTINUED)

program should prevent further failures of this type.